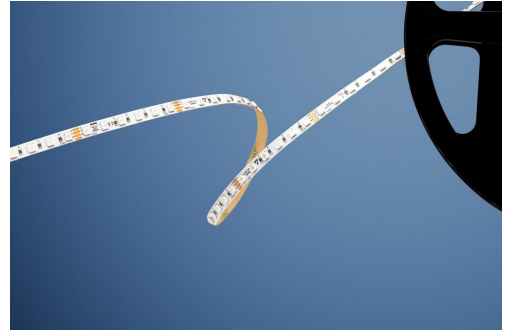


LED STRIP BASIC 120 RGB

- flexibler, selbstklebender LED-Streifen
- Einstellmöglichkeit für individuelle Farben - dadurch ideal für Ambientebeleuchtung im Wohnbereich
- die geringe Breite des Streifens von nur 6 mm ermöglicht die problemlose Verklebung in handelsüblichen Aluminium Profilen
- sehr gut für den Einbau in flache Profile geeignet
- hochwertiges 3M-Doppelklebeband auf der Rückseite zur einfachen Montage
- das sehr kurze Teilungsmaß von nur 50 mm bietet große Flexibilität im Leuchten-Bau
- stufenlos dimmbar ohne Effizienzverluste
- Abstrahlwinkel: 120°
- Lebensdauer: L70 > 50.000 h bei Ta < 25 °C



PHOTOMETRIC DATA

24 VDC	12 W/m	PITCH 8	120°	500 cm max
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	51540001
Light color	RGB
Typ. luminous flux per meter - total	490 lm/m
Typ. luminous flux per meter - red	106 lm/m
Typ. luminous flux per meter - green	317 lm/m
Typ. luminous flux per meter - blue	67 lm/m
Efficiency in total	41 lm/W
LED beam angle	120 °
Lifetime L70	50000 h

ELECTRICAL DATA

	51540001
Operating voltage	24 V DC
Typ. operating current	2,5 A
Typ. power	60 W
Typ. power per meter	12 W/m

MECHANICAL DATA

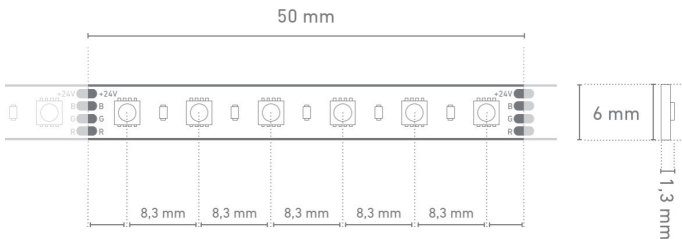
	51540001
Length stripe	5000 mm
Width stripe	6 mm
Height stripe	1,4 mm
Number of LEDs per cut	6
Number of LEDs per metre	120
Number of cuts	100
Length per cut	50 mm
Type of protection	IP 00
Bending radius	30 mm
Length connector cable	150 mm

FURTHER DATA

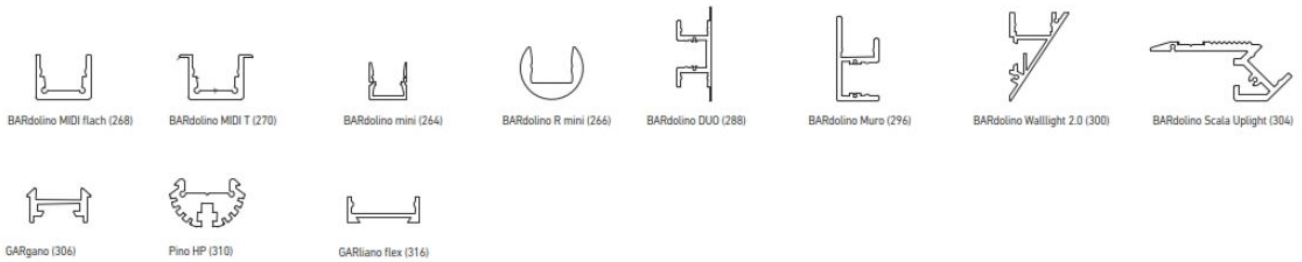
	51540001
Max. operable length¹	5000 mm
Operating temperature	-25 °C ~ +45 °C

¹The value given applies to the application of the rated voltage at the first module section. When using a supply line, the maximum operable length changes depending on the supply line length and its cross section.

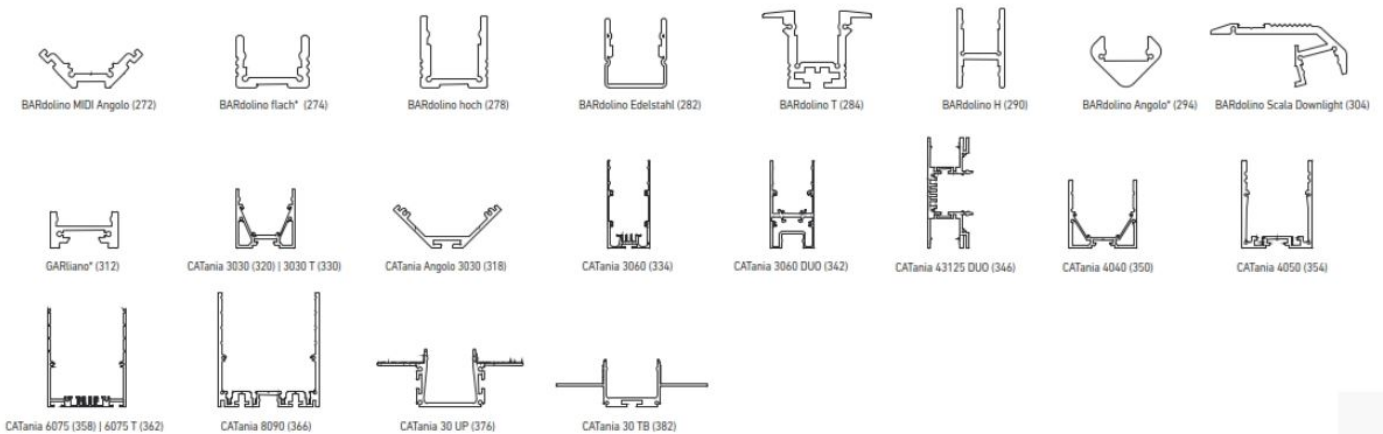
TECHNICAL DRAWING



PROFILNUTZUNG MIT SICHTBAREN LICHTPUNKTEN | PROFILE USE WITH VISIBLE LIGHT POINTS



PROFILNUTZUNG MIT HOMOGENEM LICHT | PROFILE USE WITH HOMOGENEOUS LIGHTING



* = eine homogene Lichtlinie ist nur in Kombination mit einer hohen Abdeckung möglich | a uniform light line is only possible in combination with a high diffuser

** = nur in Kombination mit rechteckiger Abdeckung | only in combination with rectangular diffuser

@ max. Ta = 25 °C im Betrieb und Montagesituation Aufbau [Einbau bei CATania 30 UP und CATania 30 TB] ansonsten ggf. unzureichende Kühlung |

@ max. Ta = 25 °C in operation and surface mounted installation [recessed installation with CATania 30 UP and CATania 30 TB] otherwise possibility of insufficient cooling

Bitte beachten: Unzureichende Kühlung beschädigt den LED-Streifen! Verarbeitungshinweise zu LEDlight flex siehe www.barthelme.de | Please note: insufficient cooling will damage the LED strips! Processing notes for LEDlight flex see www.barthelme.de

NOTES

LEDs and the electronic components/devices required for their operation are wearing parts and can function for many years depending on use and location. In general, these products are subject to an aging process, the light output of LEDs decreases in the course of their operating life. The aging of LEDs is due to thermal influences. Our LEDs correspond to the operating life, which has e.g. a L70 value. This means that the installed LEDs of a given type retain at least 70% of their luminous efficiency. Thus, the decrease of the luminous effect of the LED within the above-mentioned scope within the operating life does not represent a defect according to the current state of technology.

Never glue the LED strip over a profile joint! Due to physical expansion or contraction of the profile due to temperature fluctuations, the LED strip can be damaged. This can be remedied by using the right parts for the solder pads at the joint and by using flexible connections, e.g. soldered flexible wire bridges or LED strip connectors.

The adhesion of our LEDlight flex strips to the profiles we offer and their different surfaces has been tested and can be ensured if the processing instructions are followed. If there are adhesion problems between LED strips and aluminum profiles, we recommend pre-treatment with the adhesion promoter "3M™ Tape Primer 94".

The guarantee period for the product is 2 years and begins on the day of shipment. Reference is the date of the delivery bill. The guarantee period may differ for accessories.

DISPOSAL

Please help to avoid waste. Should you ever wish to part with this item, please remember that many of its components are made of valuable raw materials and can be recycled. Therefore, please do not dispose of it in the dustbin, but please take it to your collection point for electrical appliances. Thank you for your cooperation!

